Levee Log Report By Levee Mile - Updated 8/23/2021

Sutter Maintenance Yard Maintenance Area 0003

Waterway	Bank	Unit Miles	Inspector
Unit No. 01 Feather River	Right	5.11	Dustin Sanoski

Entry	Levee	e Mile					Source
No	Start	End	Category	Item	Location	Comment	Permits
7	0.00	0.00	At Grade	Levee	Crown	Levee intersection. Entry Last Updated : 1/28/2020	GEILEVEELOG
110	0.00	0.00	Mark	Boundary	Crossing	Start point of MA0003 Unit 01 Feather River, Sutter Maintenance Yard Area. Entry Last Updated: 4/26/2017	LEVEELOG
4	0.00	0.00	Ramp	Ramp	Water Side	WS Ramp access to Sutter Bypass upstream of Nelson Bend Weir. Entry Last Updated : 1/28/2020	LEVEELOG
10	0.00	0.00	Ramp	Ramp	Land Side	Ramp on LS slope to LS bench with bee boxes and gravel pile storage area. Entry Last Updated: 1/28/2020	LEVEELOG
9	0.03	0.91	Ditches	Unlined	Land Side	Irrigation canal 20' wide 6' deep at 20' from LS toe. Entry Last Updated : 1/14/2020	USACEPI
1	0.09	0.09	Gate	Metal	Crossing	Entry Last Updated : 4/26/2017	LEVEELOG
6	0.09	0.09	Fence	Chain Link	Land Side	Cross fence, pipe gate. within right bank overflow area. Entry Last Updated : 1/14/2020	GEILEVEELOG
2	0.09	0.09	Fence	Chain Link	Water Side	Pipe cross fence, pipe gate. Pipe gate at the waterward toe. Entry Last Updated: 1/14/2020	GEILEVEELOG
11	0.50	0.50	Mark	Marker	Water Side	Levee mile marker .05. Entry Last Updated : 4/26/2017	LEVEELOG
12	0.63	0.63	Ramp	Ramp	Land Side	Access ramp on landward slope (no gate or fence). Entry Last Updated : 1/14/2020	USACEPI
19	0.81	0.81	UCIP	Pipe	Water Side to Land Side	DS_ID:17091 EP_NO: 13624 Crossing Status: Found FIELD_STRUCT_DESC: 20-inch steel drainage pipe through the levee, 3 feet below the crown. Siphon breaker on the waterside (WS) shoulder. Open on the WS end. Pump in ditch located on the landside (LS). (20-inch pipe and pump authorized under Permit No. 13624, 1983 - Danna and Danna, Inc.). [Additional Reference(s): DWR Levee Log, 2005 (HLM 0.80)]. Entry Last Updated : 5/15/2021	UCIPAUG2021 13624

Inspector

Bank Unit Miles

Flood Control Project Maintenance Levee Inspections

Levee Log Report By Levee Mile - Updated 8/23/2021

Sutter Maintenance Yard Maintenance Area 0003

Waterway

					waterway		Bank	Unit ivilles	inspector		
				Unit No	o. 01 Feathe	r River	Right	5.11	Dustin Sanoski		
Entry No	Leve	e Mile End	Category	Item	Location	Comment			Source Permits		
20	0.81	0.81	UCIP	Culvert	Crossing DS_ID:17092 EP_NO: Crossing Status: Found FIELD_STRUCT_DESC: 1 of 2: 18-inch steel drainage pipe through the levee, 32 feet below the crown. Flap gate on the waterside (WS) end. Slide gate on the landside (LS) end at concrete headwall. Concrete "U" shaped headwall at the WS toe. [Additional Reference(s): DWR Levee Log, 2005 (HLM 0.80). USACE Sacramento O&M Manual 143, August 1955, Revised 29 December 2016, (Station 982+00), O&M As-built dwg no. 50-04-2033, page 1 of 1, Station 982+00, two 18-inch steel soil proofed pipes]. Entry Last Updated: 5/15/2021						
18	0.81	0.81	UCIP	Culvert	Crossing	DS_ID:17136 EP_NO: Crossing Status: Found FIELD_STRUCT_DESC: 2 of 2: 18-inch steel dr pipe through the levee, 32 feet below the crown. on the waterside (WS) end. Slide gate on the lar (LS) end at concrete headwall. Concrete "U" hea the WS toe. [Additional Reference(s): DWR Lev 2005 (HLM 0.80). USACE Sacramento O&M Ma August 1955, Revised 29 December 2016, (Stat 982+00), O&M As-built dwg no. 50-04-2033, pag Station 982+00, two 18-inch steel soil proofed pi Entry Last Updated: 5/15/2021	Flap gat ndside adwall at ee Log, anual 143 ion ge 1 of 1,	e ,	AUG2021		
14	0.98	0.98	Mark	Marker	Water Side	Levee mile marker 1.0. Entry Last Updated : 4/26/2017		LEV	EELOG		
23	1.11	1.11	Ramp	Ramp	Land Side	Ramp on the landward slope. Entry Last Updated : 4/25/2017		GEILE	EVEELOG		
118	1.14	1.14	Gate	Metal	Water Side	Access road to river and State Wildlife Area. gat lock. Entry Last Updated: 1/28/2020	te with	USAC	EINSPECT		
24	1.14	1.14	Ramp	Ramp	Water Side	Access road to river and State Wildlife Area. Gallock. Entry Last Updated: 1/14/2020	te with	US	ACEPI		
22	1.17	1.17	Structure	Tower	Land Side	PG&E Utility Tower about 20' from toe. Entry Last Updated : 1/14/2020			SACEPI 552		
26	1.18	1.18	Aerial	High Voltage	Crossing	USBR high tower line crosses the levee. Entry Last Updated : 4/25/2017			EVEELOG 552		

Levee Log Report By Levee Mile - Updated 8/23/2021

Sutter Maintenance Yard Maintenance Area 0003

Waterway	Bank	Unit Miles	Inspector
Unit No. 01 Feather River	Right	5.11	Dustin Sanoski

Entry	Levee	Mile				_	Source
No	Start	End	Category	Item	Location	Comment	Permits
15	1.20	1.20	Aerial	High Voltage	Crossing	USBR high tower line crosses the levee. Entry Last Updated : 1/14/2020	LEVEELOG 18559
16	1.52	1.52	Mark	Marker	Water Side	Levee Mile Marker 1.5 Entry Last Updated : 4/26/2017	LEVEELOG
17	1.60	1.60	Gate	Metal	Land Side	Access ramp with gate, lock and fence on LS lower slope. Entry Last Updated : 1/14/2020	LEVEELOG
121	1.60	1.60	Ramp	Ramp	Land Side	Remarks: access ramp with gate, lock and fence. Entry Last Updated: 1/14/2020	USACEINSPECT
5	1.63	1.63	Fence	Metal	Water Side and Land Side	Access gate, lock and fence. Entry Last Updated : 1/28/2020	LEVEELOG
29	1.63	1.63	Gate	Metal	Crown	Access gate, lock and fence. Entry Last Updated : 1/14/2020	USACEPI
123	1.64	1.64	Ramp	Ramp	Water Side	Access ramp south side of 99 Hwy bridge (underpass). Entry Last Updated : 1/28/2020	USACEINSPECT 717
34	1.64	1.71	At Grade	Levee	Crown	Northwest levee of Feather River, levee patrol road bypass of new bridge. Entry Last Updated: 1/28/2020	USGSQUAD_EGIS 2568
8	1.67	1.67	Structure	Guardrail	Crossing	Removable metal beam guardrail barriers across the right bank levee crown of the Feather River. The proposed Guardrail barriers will be 22 feet in length and constructed along each side of State Highway 99. Entry Last Updated: 1/28/2020	LEVEELOG 14286
21	1.67	1.70	Revetment	Rock	Water Side	Rock Revetment underneath Highway 99 Bridge. Entry Last Updated : 4/26/2017	LEVEELOG
124	1.67	1.69	Structure	Bridge	Water Side	Hwy 99 bridge crossing permit 2568 (bridge) and 14286 (removable roadway barriers) Entry Last Updated: 1/28/2020	USACEINSPECT 18469
35	1.67	1.69	At Grade	Road / Highway	Crossing	Highway No. 99 crosses the levee, 4.0 feet above crown elevation. Bridge across Feather River. (App. No. 2346) Entry Last Updated: 4/25/2017	GEILEVEELOG 18469

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Sutter Maintenance Yard Maintenance Area 0003

Waterway	Bank	Unit Miles	Inspector
Unit No. 01 Feather River	Right	5.11	Dustin Sanoski

Entry	Levee	Mile	Cotomomi	140.00	Lasation	Comment	Source
No	Start	End	Category	Item	Location	Comment	Permits
36	1.69	1.69	Structure	Guardrail	Crossing	The right bank levee of the Feather River at State Highway 99 bridge, westerly of the town of Nicolaus, Sutter County. Removable metal beam guardrail barriers across the right bank levee crown of the Feather River. The proposed Guardrail barriers will be 22 feet in length and constructed along each side of State Highway 99. Entry Last Updated: 1/28/2020	USGSQUAD_EGIS 14286
37	1.71	1.71	Ramp	Ramp	Water Side	Ramp on the waterward slope. Access under the Highway 99 bridge Entry Last Updated : 4/25/2017	GEILEVEELOG
3	1.79	1.79	Ramp	Ramp	Water Side	Access ramps WS, no gates or fences. Entry Last Updated : 1/28/2020	LEVEELOG
127	1.79	1.79	Ramp	Ramp	Land Side	Access ramps LS, no gates or fences. Entry Last Updated : 1/28/2020	USACEINSPECT
43	1.84	1.84	UCIP	Conduit	Crossing	DS_ID:17090 EP_NO: 3511 Crossing Status: Not Found FIELD_STRUCT_DESC: USA communication cable of an unknown size or material through the levee, 3 feet below the crown. (underground cable authorized under Permit No. 3511, 1961 - U.S. Army Engineer District). [Additional Reference(s): DWR Levee Log, 2005 (HLM 1.70)]. Entry Last Updated: 5/15/2021	UCIPAUG2021 3511
42	1.85	1.85	Gate	Metal	Land Side	Cross fence pipe gate. (Sac. Ave. East, Note heavy gate). Pipe gate at bottom of LS ramp to Sacramento Ave. Entry Last Updated: 1/28/2020	H_LL_GENERAL
41	1.85	1.85	At Grade	Road / Highway	Land Side	Paved access ramp on the landward side. Site of Old Garden Highway crossing. (App. No. 2578). Entry Last Updated: 1/14/2020	H_LL_GENERAL 2578
128	1.85	1.85	Ramp	Ramp	Land Side	Sacramento Avenue access ramp and abandoned bridge remnants removed 1957 by permit 2578. Entry Last Updated: 1/28/2020	USACEINSPECT 2578
129	1.86	1.86	Ramp	Ramp	Water Side	Access ramp WS, no gates or fences. Entry Last Updated : 1/28/2020	USACEINSPECT
25	2.01	2.01	Mark	Marker	Water Side	Levee Mile Marker 2.0 Entry Last Updated : 4/26/2017	LEVEELOG

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Sutter Maintenance Yard Maintenance Area 0003

Waterway	Bank	Unit Miles	Inspector
Unit No. 01 Feather River	Right	5.11	Dustin Sanoski

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ntry	Levee	Mile	_			_	Source	
No	Start	End	Category	Item	Location	Comment	Permits	
13	2.11	2.11	Ramp	Ramp	Water Side	App. 13750-PG&E, 11/23/83; Access ramp WS with gate and lock; Access ramp LS, no gate or fence. Entry Last Updated : 1/14/2020	LEVEELOG 13750	
51	2.11	2.11	Ramp	Ramp	Land Side	App. 13750-PG&E, 11/23/83; Access ramp WS with gate and lock; Access ramp LS, no gate or fence. Entry Last Updated: 1/14/2020	GEILEVEELOG 13750	
54	2.13	2.13	Structure	Pump Station	Water Side	Right bank Feather River located 1/2 mile upstream from the Nicolaus Bridge, construction of an irrigation pumping plant and appurtenant facilities. Entry Last Updated: 1/28/2020	USGSQUAD_EGIS 3284-1	
62	2.17	2.17	UCIP	Culvert	Crossing	DS_ID:17088 EP_NO: Crossing Status: Found FIELD_STRUCT_DESC: 32-inch by 32-inch reinforced concrete irrigation culvert through the levee, approximately 28 feet below the crown. Transition between vault on the waterside (WS) and box culvert within levee section is made with a 41-inch corrugated metal pipe (CMP). Slide gate located on the landside (LS) at concrete headwall. Flap gate in concrete vault on the WS at terminal of pipes from pump structure in floodway. Pipes from pump station located on the WS are no longer connected. (32-inch by 32-inch concrete tunnel, no permit found authorizing structure; irrigation pumping plant and appurtenant facilities located on WS were authorized under Permit No. 3284, 1960 - T.H. Richards, Sr.; remove and replace existing 30-inch and 20-inch pipes on WS only, referenced as Odysseus Farms Hamatani Pumps, work authorized under Permit No. 3284-1, 2018 - T.H. Richards, Sr.). [Additional Reference(s): DWR Levee Log, 2005 (HLM 2.19), referenced as 24-inch square concrete culvert. USACE Sacramento O&M Manual 143, August 1955, Revised 29 December 2016, (Station 905+44), referenced as 24-inch concrete culvert; also referenced in USACE O&M As-built dwg no. 04-04-0531, page 4 of 6, about Station 159+00, 32-inch square steel culvert]. Entry Last Updated: 5/15/2021	UCIPAUG2021 3284	
61	2.17	2.17	UCIP	Culvert	Crossing	DS_ID:17089 EP_NO: Crossing Status: Not Found FIELD_STRUCT_DESC: *DUPLICATEREMOVE* 24- inch concrete culvert through the levee, 26 feet below the crown. Slide gates on both the waterside (WS) and the landside (LS) ends. [Additional Reference(s): DWR Levee Log, 2005]. Entry Last Updated: 5/15/2021	UCIPAUG2021	

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Sutter Maintenance Yard Maintenance Area 0003

Waterway	Bank	Unit Miles	Inspector
Unit No. 01 Feather River	Right	5.11	Dustin Sanoski

Entry No	Levee	Mile End	Category	Item	Location	Comment	Source Permits
53	2.17	2.17	Structure	Tower	Land Side	High voltage power tower 10' from LS toe with one anchor at 15' from LS toe and one anchor midslope. Entry Last Updated: 1/14/2020	USACEPI 13409
56	2.17	2.17	Aerial	High Voltage	Crossing	High tower power line crosses the levee. Entry Last Updated : 1/14/2020	GEILEVEELOG 13409
134	2.17	2.17	Ditches	Unlined	Land Side	Irrigation ditch within 8' of toe of slope. ditch 20' wide, 5' deep. enclosure heavily vegetated. Entry Last Updated: 1/28/2020	USACEINSPECT
60	2.17	2.17	Miscellaneou s	Turnout	Land Side	Landward levee slope reshaped by the U. S. Army Corps of Engineer in 1963.; Turnout on the landward slope. Entry Last Updated: 4/25/2017	GEILEVEELOG
64	2.27	2.27	UCIP	Culvert	Crossing	DS_ID:17134 EP_NO: Crossing Status: Not Found FIELD_STRUCT_DESC: *DUPLICATEREMOVE* 24- inch by 24-inch reinforced concrete drainage culvert through the levee, 28 feet below the crown. Slide gate located on the landside (LS). 36-inch corrugated metal pipe (CMP) located on the waterside (WS). This crossing is one of the crossings through the levee with a transition between the two ends within the levee. Possible duplicate entry with CLM 2.17 (DS_ID 17088). [Additional Reference(s): USACE Sacramento O&M Manual 143, August 1955, Revised 29 December 2016, (Station 905+44)]. Entry Last Updated: 5/15/2021	UCIPAUG2021
28	2.29	2.29	Miscellaneou s	Turnout	Water Side	Turnout at WS hinge of crown. Entry Last Updated : 4/27/2017	LEVEELOG
65	2.29	2.29	Ramp	Ramp	Land Side	Gate across access ramp and midslope seepage berm bench at toe. Entry Last Updated: 1/14/2020	USACEPI
69	2.46	2.46	UCIP	Pipe	Crossing	DS_ID:17135 EP_NO: Crossing Status: Not Found FIELD_STRUCT_DESC: 10-inch steel pipe of an unknown purpose through the levee, approximately 2.3 feet below the crown. [Additional Reference(s): USACE Sacramento O&M Manual 143, August 1955, Revised 29 December 2016, (Station 814+62), as-built drawing no. 04-13-0094, page 3 of 7]. Entry Last Updated: 5/15/2021	UCIPAUG2021

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Sutter Maintenance Yard Maintenance Area 0003

		Bank	Unit Miles	Inspector
		Right	5.11	Dustin Sanoski
Entry No	Levee Mile Catego			Source

Entry	Leve	Mile	Category	Item	Location	Comment	Source	
No	Start	End	Calegory	Rom	Location	Comment	Permits	
31	2.55	2.55	Mark	Marker	Water Side	Mile marker 2.5 on WS hinge of crown. Entry Last Updated : 4/27/2017	LEVEELOG	
98	2.90	5.11	Miscellaneou s	Landscaping	Water Side	To plant approximately 300 to 500 native trees (primarily cottonwoods) within the right bank overflow area of the Feather River. The right bank overflow area of the Feather River upstream of the easterly extension of Cypress Avenue, northerly of the Town of Nicolaus, Levee Mile 2.90 to 5.19, Maintenance Area #3, Sutter County. Entry Last Updated: 1/28/2020	USGSQUAD_EGIS 16817	
32	3.00	3.00	Mark	Marker	Water Side	Mile marker 3.0 at WS hinge of crown. Entry Last Updated : 4/27/2017	LEVEELOG	
79	3.28	3.33	Ramp	Ramp	Water Side	Access ramp WS, no gate or fence. Entry Last Updated : 1/28/2020	USACEPI	
38	3.50	3.50	Mark	Marker	Water Side	Mile marker 3.5 at WS hinge of crown. Entry Last Updated : 4/27/2017	LEVEELOG	
84	3.57	3.57	Mark	Bench Mark	Land Side	Department of Water Resources, bench marker, R-9, 1961, on the waterward shoulder near gate. Entry Last Updated: 4/25/2017	GEILEVEELOG	
149	3.61	3.61	Ramp	Ramp	Land Side	South LS access ramp south side of Laurel Avenue, with locked gate. Entry Last Updated: 1/28/2020	USACEINSPECT	
85	3.65	3.65	Gate	Metal	Land Side	Cross fence, pipe gate at bottom of ramps. (Application No. 4854) Entry Last Updated: 1/14/2020	GEILEVEELOG	
30	3.67	3.67	Ramp	Ramp	Land Side	Remarks: North LS access ramp north side of Laurel Avenue, with locked gate. Entry Last Updated : 1/14/2020	LEVEELOG	
91	3.77	3.77	Miscellaneou s	Mitigation Site	Crown	Crown width average 12', narrows to as little as 8', considered an encroachment that will likely inhibit O&M and emergency operations and will negatively impact the integrity of the levee. Entry Last Updated: 1/14/2020	USACEPI	

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Sutter Maintenance Yard Maintenance Area 0003

Waterway	Bank	Unit Miles	Inspector
Unit No. 01 Feather River	Right	5.11	Dustin Sanoski

Entry	ntry Levee Mile		Category	Item	Location	Comment	Source	
No	Start	End	Category	пеш	Location	Comment	Permits	
93	3.78	3.78	UCIP	Pipe	Crossing	DS_ID:17087 EP_NO: 1730 Crossing Status: Found FIELD_STRUCT_DESC: 12-inch asphalt coated steel irrigation pipe through the levee, 4.5 feet below the crown. Gate valve and pump located on the waterside (WS). 24-inch concrete standpipe located on the landside (LS) toe has been degraded to ground elevation and filled in with soil. Pipe remains intact. Steel tower over pump is located on the WS. (14-inch pipe, not 12-inch pipe, referenced in Permit No. 1730, 1959 - Robert L. Crandall). [Additional Reference(s): DWR Levee Log, 2005 (HLM 3.81). USACE O&M As-built dwg no. 04-04-0531, 16-inch steel pipe, about Station 70+63.04, page 3 of 6, related to USACE Sacramento O&M Manual 143, August 1955, Revised 29 December 2016, only referenced in dwg not manual]. Entry Last Updated: 5/15/2021	UCIPAUG2021 1730	
94	3.78	3.78	UCIP	Pipe	Crossing	DS_ID:17086 EP_NO: 769 Crossing Status: Indicator Found FIELD_STRUCT_DESC: 10-inch steel pipe through the levee, 5.4 feet below the crown. Siphon breaker located on the landside (LS). Pipe appears to be abandoned (recorded in 2005 or earlier). (10-inch pipe authorized under Permit No. 769, 1938 - Garden Highway Mutual Water Co.) [Additional Reference(s): DWR Levee Log, 2005 (HLM 3.83). USACE O&M As-built dwg no. 04-04-0531, 10-inch steel pipe, about Station 70+63.04, page 3 of 6, related to USACE Sacramento O&M Manual 143, August 1955, Revised 29 December 2016, only referenced in dwg not manual]. Entry Last Updated: 5/15/2021	UCIPAUG2021 769	
27	3.79	3.79	Structure	Pole - Utility	Land Side	Power pole on the landside toe. (App. No. 1951). Entry Last Updated : 1/28/2020	LEVEELOG 1951	
33	3.79	3.79	Aerial	High Voltage	Crossing	Overhead power line crosses the levee. (App. No. 1951). Entry Last Updated : 1/28/2020	LEVEELOG 1951	
92	3.79	3.79	Structure	Pole - Utility	Water Side	Power pole on the waterward slope. (App. No. 1951). Entry Last Updated : 1/28/2020	GEILEVEELOG 1951	
97	3.93	3.93	Miscellaneou s	Landscaping	Water Side	To plant approximately 4,000 to 4,400 native trees (valley oaks, sycamore, coyote bush, Oregon ash, rose, box elder, cottonwood, willow) on 27.2 acres within the right bank overflow area of the Sacramento River. The project is located north of Nicolaus and upstream of the easterly extension of Laurel Avenue. Entry Last Updated: 1/28/2020	USGSQUAD_EGIS 17012	

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Sutter Maintenance Yard Maintenance Area 0003

Waterway	Bank	Unit Miles	Inspector
Unit No. 01 Feather River	Right	5.11	Dustin Sanoski

	Leve	e Mile		Item	Location	Comment	Source
Entry No	Start	End	Category				Permits
96	3.93	3.93	Ramp	Ramp	Water Side	Access ramp WS with locked gate at bottom leading to wildlife preserve; Metal gate across ramp. Entry Last Updated: 1/14/2020	USACEPI
99	3.96	3.96	Structure	Sign	Water Side	Sign on waterward slope Audubon Sanctuary. Entry Last Updated : 4/25/2017	GEILEVEELOG
44	3.97	3.97	Mark	Marker	Water Side	Mile marker 4.0 on WS hinge of slope. Entry Last Updated : 4/27/2017	LEVEELOG
101	4.16	4.16	Structure	Sign	Water Side	Sign on waterward slope. Audubon Sanctuary. Entry Last Updated : 4/25/2017	GEILEVEELOG
45	4.49	4.49	Mark	Marker	Water Side	Mile marker 4.5 on WS hinge of crown. Entry Last Updated : 4/27/2017	LEVEELOG
107	4.75	4.75	Ramp	Ramp	Land Side	Ramp on the landward slope. Gate and access road on landward side. (Cypress Avenue) Entry Last Updated: 4/25/2017	GEILEVEELOG
47	4.91	4.91	Mark	Marker	Water Side	Mile marker 5.0 on WS hinge of crown. Entry Last Updated : 4/27/2017	LEVEELOG
50	5.11	5.11	Mark	Boundary	Crown	End of MA0003. Entry Last Updated : 4/27/2017	LEVEELOG
108	5.11	5.11	Gate	Metal	Crown	Gate between MA3 and LD1 fence on LS WS access ramps. Entry Last Updated : 1/14/2020	USACEPI